

2008-2014 Infiniti G37 | Advanced | 2-3 hours | \$65 DIY

TOOLS

10mm Socket 12mm Socket Torque Wrench
Socket Extensions Flathead Screwdriver
Trim Tool Set Brake Parts Cleaner Air
Blow Gun Gloves Needle Nose Pliers

PARTS

Valve Cover Gasket Set VC663G \$40.00
Spark Plug Tube Seals 13271-EY00A \$15.00
RTV Silicone Sealant \$10.00

STEPS

- 1 Cool the engine - Work only on a cold engine.** Hot aluminum heads can pull threads when plugs are removed. Disconnect the negative battery terminal if required by your procedure.
- 2 Access the ignition coils - Remove any engine cover or intake tube blocking the coils.** Label coil connectors or photograph their positions before unplugging.
- 3 Remove one coil at a time - Unplug the coil connector, remove the coil hold-down bolt,** and pull the coil straight up. Work one cylinder at a time to avoid mixing parts.
- 4 Remove the old spark plug - Blow loose dirt from the well. Use a spark-plug socket with a rubber insert and extension to remove the plug.** Inspect the tip for oil, coolant, or abnormal wear.
- 5 Gap and hand-thread the new plug - Confirm the new plug part number and set the gap to the manufacturer specification if required (many iridium plugs are pre-gapped).** Start the plug by hand to avoid cross-threading.
- 6 Torque to specification - Torque the plug to the spec in the service information** (typically a modest ft-lb or degree turn after seating). Do not overtighten - stripped head threads are expensive.
- 7 Reinstall the coil - Press the coil fully onto the plug, reinstall the hold-down bolt to snug/spec,** and reconnect the electrical connector until it clicks.
- 8 Reassemble and test - Refit covers/intake components, reconnect the battery if removed,** and start the engine. Listen for misfires and confirm a smooth idle. Clear any residual codes if a light remains.